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#5/a2834  
Hawkins  
1/14/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bruce B. Gamble et al.      Art Unit : 2834  
Serial No. : 09/909,412      Examiner : Le, Dang D  
Filed : July 19, 2001  
Title : TORQUE TRANSMISSION ASSEMBLY FOR USE IN SUPERCONDUCTING  
ROTATING MACHINES

Commissioner for Patents  
Washington, D.C. 20231

RESPONSE

In response to the office action mailed on September 20, 2002, please amend the application as follows:

In the claims:

Please amend claims 1, 25, and 36 as follows.

a' -- 1. **(Amended)** A rotor assembly configured to rotate within a stator assembly of a rotating machine having a shaft disposed within a non-cryogenic region of the rotor assembly, the shaft extending across the rotor assembly, the rotor assembly comprising:

at least one superconducting winding assembly positioned within a cryogenic region of the rotor assembly, the at least one superconducting winding assembly, in operation, generating a magnetic flux linking the stator assembly; and

a cantilevered member, mechanically coupled between the at least one superconducting winding assembly and the shaft, the cantilevered member extending between the non-cryogenic region and cryogenic region of the rotor assembly.

a2 9. **(Amended)** The rotor assembly of claim 8 wherein the metal comprises Inconel.

a3 25. **(Amended)** A rotating machine comprising:

a shaft within a non-cryogenic region of the rotating machine;

a stator assembly;

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

December 19, 2002  
Date of Deposit

Signature  
Carla F. O'Rodile

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